



## CCAD Takes a Shot at New Technology

By Jaclyn Nix, Public Affairs

Corpus Christi Army Depot artisans will soon be able to repair UH-60 Black Hawk main rotor blades using a new technology that will save time and money for the depot.

Avion Solutions Inc., a veteran-owned small business providing high-quality, specialized engineering, logistics, software development and technical services, visited CCAD to demonstrate repairing seven UH-60 rotor blades using ultrasonic shot peening technology, March 6-8.

The depot coordinated with Aviation and Missile Research Development and Engineering Center (AMRDEC) to bring the portable technology for repair in-house and on the field.

nents meets the requirements of our depot's maintenance overhaul standards," said Col. Christopher Carlile, CCAD Commander.



Robert Bilbrey, Avion Solutions Project Manager, demonstrates how to use the ultrasonic shot peening technology. Photo by Kiana Allen

Due to space limitations at the shot peen shop, repairs to the UH-60 main rotor blades cannot be accomplished until the ultrasonic shot peening equipment is in full swing. CCAD currently has to refurbish the blades at OEM facilities which incur a high dollar repair cost along with more time spent away from the depot.

"Ultrasonic peening has been recently considered an alternative to conventional shot

field," said Alberto Rodriguez, Materials Engineer.

The U.S. Army Small Business Innovation Research Commercial Pilot Program is funding Avion Solutions Inc. to begin the initial steps of using the ultrasonic shot peening equipment.

The new computerized technology has the ability to shot peen small localized process areas in approximately 36 seconds. In September, Avion Solutions will come back to the depot to train the artisans on new equipment.

"This capability will increase our readiness and how we can repair the blades and increase the turnaround time," said James Jabal, Materials Engineer.

"I really think this is getting into process improvement and how we make it better, faster and cost effective," said Col. Carlile.



Artisans move a UH-60 main rotor blade in place to be shot peened. Photo by Kiana Allen

"This will ensure what the depot is doing for flight critical compo-

peening due to its versatility in establishing localized repairs on the

### What's Inside:

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- The CCAD Scoop
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*By Maj. Gen. Jim Rogers, AMCOM Commander (Courtesy of the Redstone Rocket, Redstone Arsenal, AL.)*

Dwight Eisenhower, general of the Army and 34th president of the United States, said "Neither a wise man nor a brave man lies down on the tracks of history to wait for the train of the future to run over him." In light of recent Department of Defense budget cuts and the Army's goal to create a force which is smaller, but flexible, agile and ready, no quote better sums up the sense of urgency for the Aviation and Missile Command to transform its business operations. It's clear the time for change is now.

In fiscal year 2010, the DoD had a budget of \$698 billion. During the next 10 years, defense spending cuts must total \$469 billion, and we anticipate additional cuts.

While the amount of future cuts remains uncertain, history has shown us what is going to happen. For the last 60 years defense spending has been cyclical. Every time our budget has been drastically cut, we have been reactive instead of proactive and the result has been a

## AMCOM Commander Encourages Cost-Saving Ideas

hollow, less capable Army.

We've gotten it right zero out of four times.

To absorb expected future cuts, we have to be able to articulate what we do, demonstrate that we do it efficiently, and show why the Army cannot do it without us. To avoid the haphazard "salami slicing" approach to saving money, we have to be aggressive during 2012 to determine what right looks like and posture ourselves to implement cuts that benefit the Army without hindering our ability to support the Soldier. We hold the power to balance mission and costs against the big picture of overall readiness requirements, but only if we do our jobs right.

Traditionally, when budget cuts are made, personnel are the first to go. I would argue instead that our first priority should be to become more cost efficient by transforming our business processes. That's the key and premise for the "Transforming AMCOM" initiative.

Let's look at the facts.

In 2011, AMCOM's funding for labor and non-labor totaled \$6.38 billion. Approximately \$1 billion were from costs associated with supporting the work force. The remaining \$5.3 billion were non-labor costs.

We need to go where the money is – and that means reducing our non-labor costs wherever we can, while improving the efficiency of the supply chain life-cycle. We have to take a hard look at ourselves command-wide and make sure that we are going in the right di-

rection. Decisions about programs and services must be made carefully, thoughtfully and strategically.

And that's where each of you come in.

My intent for launching the "Transforming AMCOM" initiative is to empower the work force at every level to take action and help AMCOM become a more efficient and effective organization. I believe that the work force holds the answers to these very complex issues because you are the people doing the work every day.

Great ideas aren't delegated to a particular pay grade. So, it doesn't matter if you're a GS-5 or a GS-15; a logistician or a human resource specialist; a permanent employee or a contractor. If you have an innovative idea for how AMCOM can generate fiscal savings by transforming its business processes, then I want to hear about it. Please submit your ideas to <http://tinyurl.com/TransformingAMCOM>.

Your ideas will be used to develop feasible solutions to AMCOM's efficiency issues. More importantly, they will play a significant role in instituting a cultural change within the command, ultimately creating an organization that embraces change rather than resists it.

In professor John Kotter's book "Leading Change," there are several essential steps to creating lasting organizational and cultural change within any large company. "Lasting" is the key word. We do both ourselves

**Rogers, see pg. 8**



# Painting a Picture of Savings in Airframes

By Brigitte Rox, Public Affairs Specialist

Critical aircraft are returning to the fight days ahead of schedule thanks to some of the finest painters in Army Aviation.

Corpus Christi Army Depot's Airframe Paint Shop may be cutting cost and time, but they're not cutting corners to ensure a quality helicopter.

A look at their latest work is a testament to their new way of doing business. In one case, the paint shop completed and sold a UH-60 Black Hawk two days ahead of their estimated completion date in March. Days later, they finished another UH-60 five days early with no quality defects.

The faster turnaround time is making the depot Commander, Colonel Christopher B. Carlisle, reconsider the amount of time needed to get the job done.

"It looks like you will be able to adjust your route time on paint if you keep this up," remarked the commander. "There has to be savings there as well."

Donivan Babcock, Division Chief of the Cleaning and Coating Division isn't keeping many secrets about this rapid turnaround.

"I'm privileged to have five shops beneath me," he said. "I've got a great leadership team and employees that make my job easy."

Teamwork has a lot to do with the success. Babcock listed a

number of shops that help get the aircraft out the door including test control, airframes cleaning and paint, production control, tech support and quality control.

The shops work around the clock, utilizing all three shifts to cut down their time to only 25% of the usual route time.

Though this naturally translates to identifiable cost savings with the

The technology and training allows students to gain practice while remaining environmentally friendly by not wasting paint, solvent and personal protective equipment.

"There is also a unique focus on paint thickness and paint adhesion on the aircraft that we paint and it's critical to get the right amount of paint on because

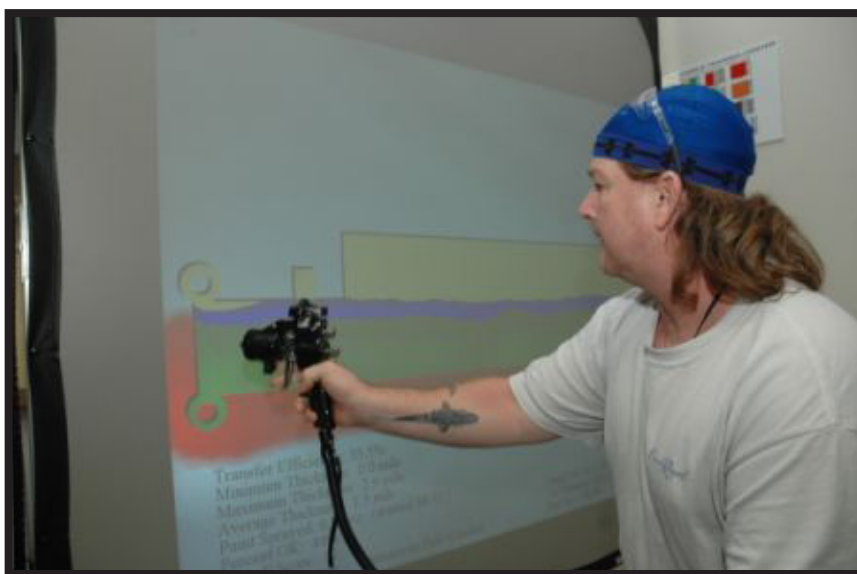
it reduces the weight and protects the aircraft from corrosion," said James Dussliere, Painter Supervisor and CCAD STAR4D Trainer.

The process uses fewer coats of paint resulting in a lighter helicopter by as much as 20 pounds. This weight reduction translates into more fuel or

cargo space, improving mission and life-saving capability.

Plus, the time the division saves through their new methods of work means the soldier gets their aircraft that much faster.

"They're the cream of the crop as far as I'm concerned of any paint facility I've worked at," said Babcock of his employees. "They're the last ones to touch the aircraft before it goes to Flight Test so the quality of their craftsmanship and the quality they produce sets the tone for what CCAD is known for—a quality product for the Warfighter."



Mike Holley demonstrates the Virtual Reality Paint Simulator. Photo by Jaclyn Nix

reduction in man hours, the division goes a step further by cutting down on product cost and waste.

CCAD paint artisans undergo state-of-the art training through the STAR4D program, available at the depot. STAR4D stands for Spray Technique Analysis and Research for Defense. This training enhances the quality of workmanship, cutting down on rework, hazardous waste and used materials while ensuring customer satisfaction, a safer work environment and cost savings to the taxpayer.

# CCAD Brings Special Ops Bird Back to Life

By Nicole Plascencia, Public Affairs

Corpus Christi Army Depot artisans are pumping life back into a damaged MH-47G.

The second Special Ops bird to come through the depot is seeing success, as depot artisans turn a structurally unsound 47 into a brand new advanced heavy lifting machine.

This particular aircraft had an in-flight incident where the rotor blades physically contacted the refueling hose, shaking the aircraft violently and causing severe damage to the roof section. At one point, the bird was forced to make an emergency landing, damaging the landing gear.

The roof section and landing gear were damaged during the shutdown sequence after the "hard landing," initiating an emergency landing and grounding.

The 47 teetered on being completely scrapped but was instead sent to CCAD where artisans hope to have the bird in like-new

condition by the end of the summer.

One of the biggest challenges yet has been installing a roof-kit, a first at the depot.

An entire cabin crown kit, being housed at Tinker Air Force Base, was procured from AMCOM for the helicopter.

Artisans cut the roof off the damaged 47 and prepared the kit.



CCAD riggers lift and rotate the new cabin crown crash kit into its installation position. Photos by Greg Lincoln

"Anytime you take a new part and put it on an old bird they're not going to match up," said Greg Lincoln, Chinook field service representative

for the Boeing Company.

The original manufacturer, Boeing, no longer makes components for this air-

craft, creating a unique need for parts. Lincoln compared it to fixing a car.

"It's like buying a car from the

80's. They don't make a lot of parts for the 80's anymore. They make it for the current generation."

The new roof had to be modified to specifically fit this G model. It was then physically installed on the aircraft.

"It's got a lot of blood line to it. It's built from several different models of aircraft. It's all 'Frankensteined' together to make a G model."

This particular aircraft was initially a C model in the 1960's but has since then been converted into a G model to serve on Special Ops missions.

Since the bird is an older model a lot of references are very limited. This is where Boeing; the Research, Development and Engineering Command (RDECOM) and CCAD personnel work together to make it happen.

"It keeps you on your toes because not all aircraft are the same. This aircraft, even though it's a G model, is not made from the same year group. It's a completely different design and has a different background," said Lincoln.

"Working as a team, it took us about an hour to actually put the kit on the aircraft," said Sheet Metal Mechanic, Ovidio Trejo.

The bird is part of the elite TF 160th Special Operations Aviation Regiment (Airborne) and, with a small fleet to support the regiment, this aircraft is significant to the Special Ops community.

"We really have accomplished something," said Trejo.



Riggers lower the new roof into position above the MH-74G.



# Renovated Military Barracks Open at Depot

By Jaclyn Nix, Public Affairs

Corpus Christi Army Depot held an open house and ribbon cutting ceremony for the newly renovated Military Barracks on March 28, 2012.

CCAD's deteriorating barracks were condemned to visiting soldiers in 2007 due to mold. The American Recovery and Reinvestment Act which was part of President Barack Obama's stimulus effort funded the project to remodel the barracks in 2009 and left a financial impact of three million dollars to the local community.

Renovation began in late 2009, wrapping up in December 2011. CCAD's remodeled barracks welcomed soldiers once again in March 2012.

"The barracks are awesome! We were pleasantly surprised to have this so close to our work," said a visitor to the barracks, CW4 Bobby

Prater, Detachment Commander of the 351st Aviation. "The barracks are not only a nice place to stay but

body gets an individual room which is a plus because typically you go to a place and get two people to a room," said CW4 Prater. "Everything is up-to-date, functional and each room even has their own thermostat where you can set how warm or cold you want the room. I could go on and on."

The newly renovated facility includes new paint, doors, lighting and signage along with an internet café, new kitchen, dining area, recreation room, individual barracks, officer suites, laundry

facilities and restrooms.

The barracks are vital to the Active Duty, Reservists and National Guard Soldiers providing them lodging while they gain hands-on experience at CCAD. Soldiers work alongside depot artisans as they learn how to repair deployed aircraft in their unit.

"I appreciate the opportunity for CCAD to serve as a training base for the National Guard, reserves and active duty soldiers," said Col. Christopher Carlile, CCAD Commander. "Having good barracks for the soldiers when they aren't on duty is important so you can relax, have a good time and stay cool."

A soldier gaining hands-on training experience at CCAD is not only benefitting the soldier but it significantly helps CCAD. When soldiers train at CCAD, they are giving the depot an extra hand as they enhance their skills working on various parts and components of an aircraft.



Mitch Holmes, Military Personnel and Reserves Component Trainer; Col. Carlile, CCAD Commander; and Marc Gonzalez, S4 Director cut the ribbon for the official opening of the military barracks. Photos by Kiana Allen

there are no problems with transportation because we can walk to work back and forth which logistically helps out as well."

"We want to give the soldiers the best we have to offer because they are giving us their best," said Mitch Holmes, Military Personnel and Reserves Component Trainer.

The barracks also saves soldiers money as they stay at no cost during their stay.

"CCAD incurs the cost of lodging should a unit be unable to provide funding," said Harry Falcon, CCAD Civil Engineer.

"The barracks enable us to have the flexibility to bring in all kinds of troops and even some civilians to stay on base so they can do some training at basically no cost because they get to stay here for free," said

Marc Gonzalez, S4 Director.

"Every-



(left) A soldier enjoys privacy in the newly renovated barracks at CCAD.

# CCAD Receives National Award for Blood Donations

By Nicole Plascencia, Public Affairs

Highlighting the incredible support CCADers have for the Coastal Bend Blood Center's life-saving

mission, representatives presented the Corpus Christi Army Depot with a National Award of Excellence

for Most Productive Blood Drive on behalf of America's Blood Centers.

Colonel Christopher Carlile, depot Commander, accepted the award during a ceremony in Hangar 44.

According to the blood center, CCAD averages more than 100 units of blood

during each drive, averaging one-thousand units donated annually.

Since January of 2006, CCAD has hosted 129 blood drives.

"CCAD has been an outstanding and reliable supporter of the Coastal Bend Blood Center for over 20

years, and it is an honor to work with an organization with such a strong commitment to the patients of the Coastal Bend," said Leticia Mon-

"It's really about the faces you don't see. You may not think about who needs the blood today but at

some point it could be a friend, a

neighbor, even yourself. Keeping that constant supply of blood on the shelves is absolutely critical. CCAD is always there to back up our mission," said Allison Stephens, Marketing and Donor Development.

Blood is not the only thing CCADers are eager to give. They also host a number of non-profit events including Operation Paintbrush, Operation Share Your

Christmas, Toys for Tots, numerous food drives and the Combined Federal Campaign.

"I have never seen a group of employees give as I have seen at CCAD," said Col. Carlile.



Col. Carlile addresses a crowd in Hangar 44 as he prepares to accept the award on March 8. Photo by Jaclyn Nix

dragon, Public Relations representative for the center.

Col. Carlile accepted the award on behalf of the depot and noted that CCAD employees are amongst the most generous people he has encountered in his lifetime.

## Veterans Suicide Prevention Hotline

1-800-273-TALK, Veterans Press 1

The Department of Veterans Affairs' (VA) Veterans Health Administration (VHA) <http://www.va.gov/health> has a national suicide prevention hotline to ensure veterans in emotional crisis have free, 24/7 access to trained counselors.

To operate the Veterans Hotline, the VA partnered with the Substance Abuse and Mental Health Services Administration (SAMHSA) and the National Suicide Prevention Lifeline.

Veterans can call the Lifeline number, 1-800-273-TALK (8255), and press "1" to be routed to the Veterans Suicide Prevention Hotline.

## The Aircraftsman

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# Awards Around Your Depot



*Arturo Berlanga receives 5 year Length of Service Award.*



*Albert Bernal receives 30 year Length of Serviced Award.*



*Refugio Figueroa receives 40 year Length of Service Award.*



*Antonio Garcia receives 5 year Length of Service Award.*



*Fidel Vela Jr. receives 30 year Length of Serviced Award.*



*Jose Chapa receives 30 year Length of Service Award.*



*Gerardo Olmeda receives 15 year Length of Service Award.*



*Gary Adams receives 30 year Length of Serviced Award.*



*Laura Castillo receives Commander's Fitness-In-Training (FIT) Award.*



*Kenneth Williams receives 10 year Length of Service Award.*



*Darlene Molina receives 30 year Length of Serviced Award.*



*John Trevino receives Commander's Fitness-In-Training (FIT) Award.*



*Darren Rew receives 30 year Length of Serviced Award.*



*Eulalio Moraida Jr. receives 45 year Length of Service Award.*



*Robert Rivera receives 30 year Length of Serviced Award.*

## A Warm Goodbye!

As I prepared to retire 29 February, I looked back over the past 35 years, and realized there are so many who have touched my life! I know I was unable to see each of you to say goodbye, so I am taking this opportunity to say it now. It has been an incredible journey, and I have learned so much from so many! Thank you all for your help, guidance and hard work. CCAD is a great place to work and grow friendships! I hope to run into some of you out in the city, and we can reminisce about the "Good Old Days!"

May God Bless each of you and keep you safe!  
Until we meet again, so long! Lilann Tilley



## Rogers, Cont.'d

and the Soldiers we serve a grave injustice if we don't maintain improvements because it's easier to go back to the way we are used to doing things.

I am not taking a top-down approach to AMCOM's transformation, but rather an employee-driven process. This cultural movement is centered on the efforts of employees at the lowest level, not just middle and upper management. While middle and upper management plays a significant role, they are not expected to be the driving force.

My vision is twofold: for AMCOM to be known Armywide for its continuous innovation, and to become the provider of choice worldwide for the sustainment and logistics of the Army's state-of-the-art aviation and missile systems.

To do that we have to change the way we do business command-wide, instilling a culture of efficiency without sacrificing effectiveness. I want every AMCOM employee to ask themselves two questions on a daily basis: "What can I improve today?" and "How can I help my organization achieve its ideal future ready state that best meets the needs of our Soldiers?"

This culture change and different way of doing business will foster open communication, improve collaboration and eliminate redundancies in the life-cycle management of the Army's aviation and missile systems. The result will be a lean, globally-networked life-cycle system that is agile and adaptable to the Soldiers' needs.

What I'm asking you to do is not easy. If it was then it would have been done already. But AMCOM has a reputation of thinking forward and executing things that need to get done ahead of schedule. And that's exactly what we need to do now.

So, I challenge each of you to take ownership of being part of the solution by not only embracing change but by leading change as we look for innovative ways to transform AMCOM. An issue of this magnitude cannot be solved by one person, one directorate, or even one command. Only through our ability to innovate, collaborate and rapidly adapt, will we achieve our vision and ensure that America's Army forever remains the strength of the nation.





# TOP PERFORMERS WITH ZERO DEFECTS

## Aircraft Production

Robert Cote

Penny Martinez

## Engines Production

William Long

Willie Cantu

## Accessories & Rotor Blade

James Dussliere

Victor Trevino

## Manufacturing

Sherrill Robinson

Clarissa Nunez

## Power Train

Thomas Santos

Steve Ortiz



## CCAD's Customers!



*A Co. 1-169th AVN, USAR, Ft Bragg , NC picked up UH60L SEQ 1BZ16 (DAC Kevin Erickson and CW2 Strickland)*



*A Co 3-238th AVN, Delaware ARNG picked up UH60L SEQ 1BZ09 (CW4 Marsh, CW3 McGinnis, SFC Squitiere and SGT Morneau)*

# The CCAD Scoop!

## THIS MONTH'S QUESTION: What qualities do you look for in a supervisor?



**Veronica "Ronnie" Perez**

*Support Mission Administrator*

"They have to care for employees but be strict too as a hard worker because they look into production and that's what we are aiming for."



**Connie Gonzalez**

*Machinist*

"Respect and understanding of people's different personalities. Also, understanding the needs of disabled vets."

**Donald Shawver**

*General Aircraft Maintenance Mechanic*

"They've got to be willing to help their employees out and stand behind them with whatever they need or if they are having issues with whatever. As long as they stand behind you and aren't all over your back looking at what you do, they should be real good."



**Rosalynn Duenes**

*Administrative Assistant*

"The qualities I see as important in a supervisor are to be open-minded, easy to talk to and most important to be fair."



**Mauro Martinez**

*Shot Peen Operator*

"Here at CCAD the number one quality in a supervisor for me would probably be people and communication skills."



**Carlos Guevara**

*Stock Clerk*

"As long as they have respect for you and as long as they know what they are doing, they're on schedule, they share their ideas, they share the workload for the week and share everything you need to know for the week."





# ASAP Prevention in the News...

## April is Sexual Assault Awareness Month

*Here are some eye opening statistics:*

### Women

One out of every six American women have been the victim of an attempted or completed rape in her lifetime (14.8% completed rape; 2.8% attempted rape).

17.7 million American women have been victims of attempted or completed rape.

In 2003, nine out of ten rape victims were female.

### Lifetime rate of rape/attempted rape for women by race:

- All women: 17.6%
- Asian Pacific Islander women: 6.8%
- White women: 17.7%
- American Indian/Alaskan women: 34.1%
- Black women: 18.8%
- Mixed race women: 24.4%

### Men

About 3% of American men — or 1 in 33 — have experienced an attempted or completed rape in their lifetime.

-In 2003, one in every ten rape victims were male.

-2.78 million men in the U.S. have been victims of sexual assault or rape.

### Ages of Victims

15% of sexual assault and rape victims are under age 12.

- 29% are age 12-17.
- 44% are under the age of 18.
- 80% are under age 30.
- Ages 12-34 are the highest risk years.

**Girls ages 16-19 are 4 times more likely than the general population to be victims of rape, attempted rape, or sexual assault.**

-7% of girls in grades 5-8 and 12% of girls in grades 9-12 said they had been sexually abused.

-3% of boys grades 5-8 and 5% of boys in grades 9-12 said they had been sexually abused.

post-traumatic stress disorder.

**13 times** more likely to abuse alcohol.

**26 times** more likely to abuse drugs.

**4 times** more likely to contemplate suicide.

If you were a victim of Sexual Assault, Rape, or Incest and are experiencing some of these symptoms get help! Call the National Sexual Assault Hotline at 1-800-656-HOPE or



In 1995, local child protection service agencies identified 126,000 children who were victims of either substantiated or indicated sexual abuse.

- Of these, 75% were girls.
- Nearly 30% of child victims were between the age of 4 and 7.

93% of juvenile sexual assault victims know their attacker.

- 34.2% of attackers were family members.
- 58.7% were acquaintances.
- Only 7% of the perpetrators were strangers to the victim.

### Effects of Rape

Victims of sexual assault are:

**3 times** more likely to suffer from depression.

**6 times** more likely to suffer from

your local EAP at 961-6570.



## Veterans With Psychiatric Disorders More Likely to Receive Opioids for Pain

U.S. veterans of the wars in Iraq and Afghanistan who have post-traumatic stress disorder (PTSD) and other psychiatric disorders are more likely than veterans without mental health issues to receive prescription opioids for pain, according to a new study.

“Veterans using these narcotic painkillers had worse clinical outcomes,” lead researcher Dr. Karen Seal of the San Francisco Veterans Affairs Medical Center told HealthDay. “Those outcomes were wounds and injuries, alcohol and drug overdoses, opioid overdoses, violent injuries and even suicide. This was particularly true in the group with PTSD.”

The study found veterans with PTSD were more than twice as likely to receive opioids compared with veterans without mental health problems.

The study included 141,029 veterans who received at least one non-cancer-related pain diagnosis within a year of entering the Department of Veterans

Affairs health care system. A total of 15,676 veterans were prescribed opioids within one year of their initial pain diagnosis.

The study found 17.8 percent of veterans with PTSD and 11.7 percent of veterans with other mental health diagnoses received opioids for pain, compared with 6.5 percent of

disorders. Of those who were prescribed pain medication, 22.7 percent of veterans with PTSD received higher-dose opioids, compared with 15.9 percent of those without mental health disorders. Veterans with PTSD were also more likely to receive two or more opioids together and to obtain early opioid refills.

“Returning combat veterans are presenting to primary care in large numbers and are seeking relief from physical and psychological pain. Extra care should be taken when prescribing opioids to relieve their distress,” the researchers note in a news release <<http://pubs.ama-assn.org/media/2012j/0306.dtl#1>> . “Integrated treatments that target both mental health disorders and pain simultaneously are effective for both problems and may decrease harms resulting from opioid therapy.”

The results appear in the Journal of the American Medical Association.



veterans without mental health

### Fun Facts for April!

*\*April 1, 1700-* English pranksters begin popularizing the annual tradition of April Fools' Day by playing practical jokes on each other.

*\*April 12, 1861-* The bloodiest four years in American history begins when Confederate shore batteries under General P.G.T. Beauregard open fire on Union-held Ft. Sumter in South Carolina's Charleston Bay-- The Civil War begins.

*\*April 17, 1970-* With the world anxiously watching, Apollo 13, a U.S. lunar spacecraft that suffered a severe malfunction on its journey to the moon, safely returns to Earth.

*\*April 29, 2004-* The National World War II Memorial opens in Washington D.C., to thousands of visitors, providing overdue recognition for the 16 million U.S. men and women who served in the war.



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